INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/14243

A. CLASS	IFICATION OF SUBJECT MATTER Cl ⁷ C12N15/09, C12N5/10, A61P3,	/10, C12P21/02				
According to	According to International Patent Classification (IPC) or to both national classification and IPC					
	SEARCHED					
Minimum do Int.	ocumentation searched (classification system followed by C1 ⁷ C12N15/09, C12N5/10, A61P3,	y classification symbols) /10, C12P21/02				
	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) MEDLINE, BIOSIS/WPI (DIALOG)					
C. DOCU	MENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.			
Х	Shimon Efrat et al., Cell rep type 1 diabetes, Trends in Mo 2002, Vol.8, No.7, pages 334	lecular Medicine,	1-4			
X .	Patrick Salmon et al., Revers of human primary cells by len transfer of specific genes, M 2000, Vol.2, No.4, pages 404	1-4				
X .	Tanya L. et al., Telomerase a to allow transformed cells to Molecular and Cellular Biolog pages 1864 to 1870	escape from crisis,	1-4			
× Furth	ner documents are listed in the continuation of Box C.	See patent family annex.				
* Specia "A" docum consid "E" earlier date "L" docum cited t specia "O" docum means "P" docum than t	al categories of cited documents: nent defining the general state of the art which is not ered to be of particular relevance r document but published on or after the international filing ment which may throw doubts on priority claim(s) or which is to establish the publication date of another citation or other al reason (as specified) ment referring to an oral disclosure, use, exhibition or other sheet published prior to the international filing date but later the priority date claimed actual completion of the international search Uanuary, 2004 (29.01.04)	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family Date of mailing of the international search report 10 February, 2004 (10.02.04)				
	mailing address of the ISA/	Authorized officer				
Japanese Patent Office						
Facsimile No.		Telephone No.				

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ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	Jiyue Zhu et al., Telomerase extends the lifespan of virus-transformed human cells without net telomere lengthening, Proc.Natl.Acad.Sci., 1999, Vol.96, pages 3723 to 3728	1-4
	Karen A. et al., Reversible immortalization of mammalian cells mediated by retroviral transfer and site-specific recombination, Proc.Natl.Acad. Sci., 1996, Vol.93, pages 8971 to 8976	1-4
A	Michael J. et al., Conditional immortalization of freshly isolated human mammary fibroblasts and endothelial cells, Proc.Natl.Acad.Sci., 2001, Vol.98, pages 646 to 651	1-4
A .	Barry R. et al., Immortalisation of human ovarian surface epithelium with telomerase and temperature-sensitive SV40 large T antigen, Experimental Cell Research, 2003, Vol.288, pages 390 to 402	1-4
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	A. 発明の属	はする分野の分類(国際特許分類(IPC))		
	Int Cl' Cl2N1	5/09, C12N5/10, A61P3/10, C12P21/02		
		対		
	Int C1' C12N1	5/09, C12N5/10, A61P3/10, C12P21/02		
L	最小限資料以外			
			·	
ŀ	国際調査で使用	 目した電子データベース (データベースの名称、	調査に使用した用語)	
	MEDLINE, BI	OSIS/WPI(DIALOG)		
-	 C. 関連する	5 と翻めたわる文献	•	
ŀ	引用文献の		・ さけ この明恵ナス体正の書子	,
ŀ				
		diabetes, Trends in Molecular Med	- -	
	٠	p. 334 338		
	X			1-4
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	区 C 欄の続き	きにも文献が列挙されている。	□ パテントファミリーに関する別	紙を参照。
				された文献でなって
	もの		出願と矛盾するものではなく、	
			「X」特に関連のある文献であって、	
「L」優先権主張に疑義を提起する文献又は他の文献の発行 日若しくは他の特別な理由を確立するために引用する				
	文献 (3	理由を付す)	上の文献との、当業者にとって	自明である組合せに
	国際調査を完	了しだ日 29.01.2004	国際調査報告の発送日 10.	2. 2004
		の名称及びあて先	特許庁審査官(権限のある職員)	4 B 3 2 2 7
		国特許庁(ISA/JP) 郵便番号100-8915	田中 耕一郎 	L
		都千代田区霞が関三丁目4番3号	電話番号 03-3581-1101	内線 3488

国際出願番号 PCT/JP03/14243

国際調査報告

•	国際調査報告	国際出願番号 PCT/JP03/	14243
C(続き).	関連すると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連すると	きは、その関連する箇所の表示	関連する 請求の範囲の番号
X .	Tanya L et al., Telomerase activity transformed cells to escape from cr Cellular Biology, 1999, Vol. 19, p. 1	isis, Molecular and	1-4
A	Jiyue Zhu et al., Telomerase extends the lifespan of virus-transformed human cells without net telomere lengthening, Proc. Natl. Acad. Sci., 1999, Vol. 96, p. 3723-3728		1-4
· A	Karen A. et al., Reversible immortated by retroviral transformation, Proc. Natl. Acad. Scip. 8971-8976	er and site-specific	1-4
A .	Michael J. et al., Conditional immo isolated human mammary fibroblasts Proc. Natl. Acad. Sci., 2001, Vol. 9	and endothelial cells,	1-4
A	Barry R. et al., Immortalisation of epithelium with telomerase and templarge T antigen, Experimental Cell p. 390-402	erature-sensitive SV40	1-4
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